# **Refine Search**

#### Search Results -

Terms	Documents			
L4 and (560/\$ or 508/\$)	14			

US Patents Full-Text Database

L5

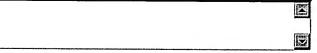
**Database:** 

US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index

US Pre-Grant Publication Full-Text Database

IBM Technical Disclosure Bulletins

Search:









### **Search History**

DATE: Thursday, July 27, 2006 Printable Copy Create Case

Set Name side by side	Hit Count Set Nam										
DB=PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=ADJ											
<u>L5</u>	L4 and (560/\$ or 508/\$)'	14	<u>L5</u>								
<u>L4</u>	L3 and acid number	. 30	<u>L4</u>								
<u>L3</u>	L2 and sulfur and phosphorus and peroxide and carbonyl and ash	104	<u>L3</u>								
<u>L2</u>	L1 and diester	12835	<u>L2</u>								
<u>L1</u>	cyclohexane or cyclohexene	178312	<u>L1</u>								

END OF SEARCH HISTORY

### **Hit List**

# First Hit Clear Generate Collection Print Fwd Refs Blwd Refs Generate OACS

### Search Results - Record(s) 1 through 10 of 14 returned.

☐ 1. Document ID: US 20050038283 A1

L5: Entry 1 of 14

File: PGPB

Feb 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050038283

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050038283 A1

TITLE: Dicarboxylic diester, process for producing the same, and refrigerating

machine lubricating oil comprising the ester

PUBLICATION-DATE: February 17, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Kawahara, Yasuyuki Uji-shi JP

Takahashi, Kouji ' Kyoto-shi Jp

Takii, Makiko Uji-shi JP

US-CL-CURRENT: <u>560</u>/<u>76</u>; <u>560</u>/<u>127</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawt De
							-					

### ☐ 2. Document ID: US 20030096713 A1

L5: Entry 2 of 14

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030096713

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030096713 A1

TITLE: LUBRICATING COMPOSITIONS WITH IMPROVED OXIDATION RESISTANCE CONTAINING A

DISPERSANT AND AN ANTIOXIDANT

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

SCHNUR, ERIC R. MENTOR OH US

RICHARDSON, ROBERT C. MENTOR OH US SCHWIND, JAMES J. DERBYSHIRE GB

US-CL-CURRENT: 508/192; 508/287, 508/443, 508/563, 508/572, 508/584

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, De

☐ 3. Document ID: US 20030092585 A1

L5: Entry 3 of 14

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030092585

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030092585 A1

TITLE: Lubricating compositions and concentrates containing an antiwear amount of a

thiadiazole

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME

South Euclid

STATE

COUNTRY

O'Connor, Brian M. Galic Raguz, Mary

Mentor

CITY

OH

US US

US-CL-CURRENT: 508/273; 508/283, 508/454

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw, De

☐ 4. Document ID: US 20030000866 A1

L5: Entry 4 of 14

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030000866

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030000866 A1

TITLE: Mineral gear oils and transmission fluids

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Cain, Robert W.

Lyndhurst

OH

US

US-CL-CURRENT: 208/18; 208/19, 508/110, 508/185, 508/322, 508/368, 508/421,

<u>508/569</u>, <u>585/13</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, Da

☐ 5. Document ID: US 6872693 B2

L5: Entry 5 of 14

File: USPT

Mar 29, 2005

US-PAT-NO: 6872693

DOCUMENT-IDENTIFIER: US 6872693 B2

TITLE: Mineral gear oils and transmission fluids

Full Title Citation Front Review Classification Date Reference Sequences Attachments: Claims KMC Draw De

☐ 6. Document ID: US 6667285 B1

L5: Entry 6 of 14

File: USPT

Dec 23, 2003

US-PAT-NO: 6667285

DOCUMENT-IDENTIFIER: US 6667285 B1

TITLE: Lubricating oil for refrigerator, hydraulic fluid composition for

refrigerator and method for lubricating of refrigerator

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. De

☐ 7. Document ID: US 6001783 A

L5: Entry 7 of 14

File: USPT

Dec 14, 1999

US-PAT-NO: 6001783

DOCUMENT-IDENTIFIER: US 6001783 A

TITLE: Mixed polysulfides and lubricants and functional fluids containing the same

Full Title Citation Front Review Classification Date Reference Sequences Attachinants Claims KMC Draw De

□ 8. Document ID: US 5834407 A

L5: Entry 8 of 14

File: USPT

Nov 10, 1998

US-PAT-NO: 5834407

DOCUMENT-IDENTIFIER: US 5834407 A

TITLE: Lubricants and functional fluids containing heterocyclic compounds

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 9. Document ID: US 5726132 A

L5: Entry 9 of 14

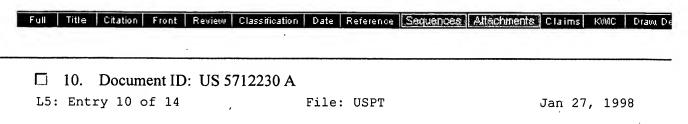
File: USPT

Mar 10, 1998

US-PAT-NO: 5726132

DOCUMENT-IDENTIFIER: US 5726132 A

TITLE: Oil composition for improving fuel economy in internal combustion engines

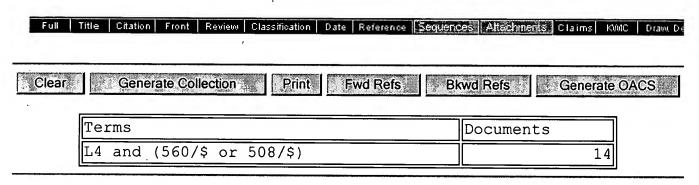


US-PAT-NO: 5712230

DOCUMENT-IDENTIFIER: US 5712230 A

TITLE: Additive compositions having reduced sulfur contents for lubricants and

functional fluids



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## **Hit List**

First Hit Clear Concrete Collection Print Fwd Refs Blowd Refs Cenerate OACS

Search Results - Record(s) 11 through 14 of 14 returned.

☐ 11. Document ID: US 5705458 A

L5: Entry 11 of 14

File: USPT

Jan 6, 1998

US-PAT-NO: 5705458

DOCUMENT-IDENTIFIER: US 5705458 A

TITLE: Additive compositions for lubricants and functional fluids

Full Title Citation Front Review Classification Date Reference **Sequences Attachinents** Claims KMC Draw De

☐ 12. Document ID: US 5693598 A

L5: Entry 12 of 14

File: USPT

Dec 2, 1997

US-PAT-NO: 5693598

DOCUMENT-IDENTIFIER: US 5693598 A

TITLE: Low-viscosity lubricating oil and functional fluid compositions

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw. De

☐ 13. Document ID: US 5674820 A

L5: Entry 13 of 14

File: USPT

Oct 7, 1997

US-PAT-NO: 5674820

DOCUMENT-IDENTIFIER: US 5674820 A

TITLE: Additive compositions for lubricants and functional fluids

Full Title Citation Front Review Classification Date Reference Section Attachments Claims KWC Draw De

☐ 14. Document ID: US 5413725 A

L5: Entry 14 of 14.

File: USPT

May 9, 1995

US-PAT-NO: 5413725

DOCUMENT-IDENTIFIER: US 5413725 A

TITLE: Pour point depressants for high monounsaturated vegetable oils and for high

monounsaturated vegetable oils/biodegradable base and fluid mixtures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	s Attach	ments	Claims	KMC	Draw D
Clear		Genera	ate Col	lection	Print	il f	wd Refs	Bkv	vd Refs		Genera	ite O/	(CS
	Ter	ms							Docume				
	L4	and (	560/	\$ or	508/\$)						1	.4	

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